

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E70169

Employer : Pacific Lutheran University

Worksite : Pacific Lutheran University

Street : 12180 Park Ave S

Jurisdiction : Unincorporated Pierce County

Survey Date : 5/5/2016

Survey Type : Online

Response Rate : 78%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 79.5%

Reported Total Employees at Worksite: 724

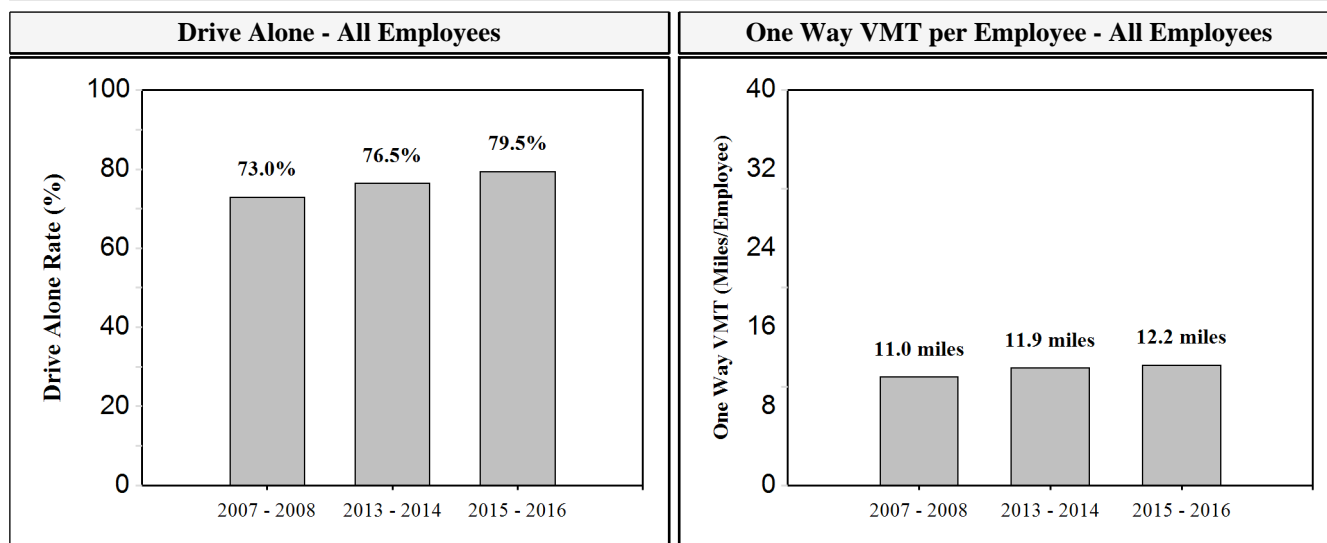
Surveys Distributed : 716

One-Way VMT per employee : 12.2

Surveys Returned : 556

Surveys Returned by CTR Affected Employees : 468

Total Estimated CTR - Affected Employees at Worksite : 603



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	73.0%	73.1%	11.0	10.7
2009 - 2010	70.7%	71.3%	11.2	11.4
2011 - 2012	74.0%	74.1%	12.0	11.9
2013 - 2014	76.5%	76.1%	11.9	12.0
2015 - 2016	79.5%	78.9%	12.2	12.1
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	8.9%	7.9%	10.9%	13.1%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2013 - 2014	2015 - 2016
Drive Alone - All Employees*	73.0%	76.5%	79.5%
Drive Alone - CTR Affected Employees*	73.1%	76.1%	78.9%
VMT/Employee - All Employees	11.0	11.9	12.2
VMT/Employee - CTR Affected Employees	10.7	12.0	12.1

* Drive alone rate includes one person motorcycles.

Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2007 - 2008	2013 - 2014	2015 - 2016
Emissions for Surveyed Employees	1,260	1,539	1,404
Estimated Emissions for Total Employment	2,253	1,974	1,828

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2013 - 2014	2015 - 2016
Bus Annual Passenger Miles - Estimated for Total Employment	217,159	150,707	101,568
Bus Annual Passenger Miles - Surveyed Employees	121,400	117,500	78,000
Ferry Annual Passenger Miles - Estimated for Total Employment	0	28,602	13,673
Ferry Annual Passenger Miles - Surveyed Employees	0	22,300	10,500
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	1,431	0	14,194
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	800	0	10,900

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

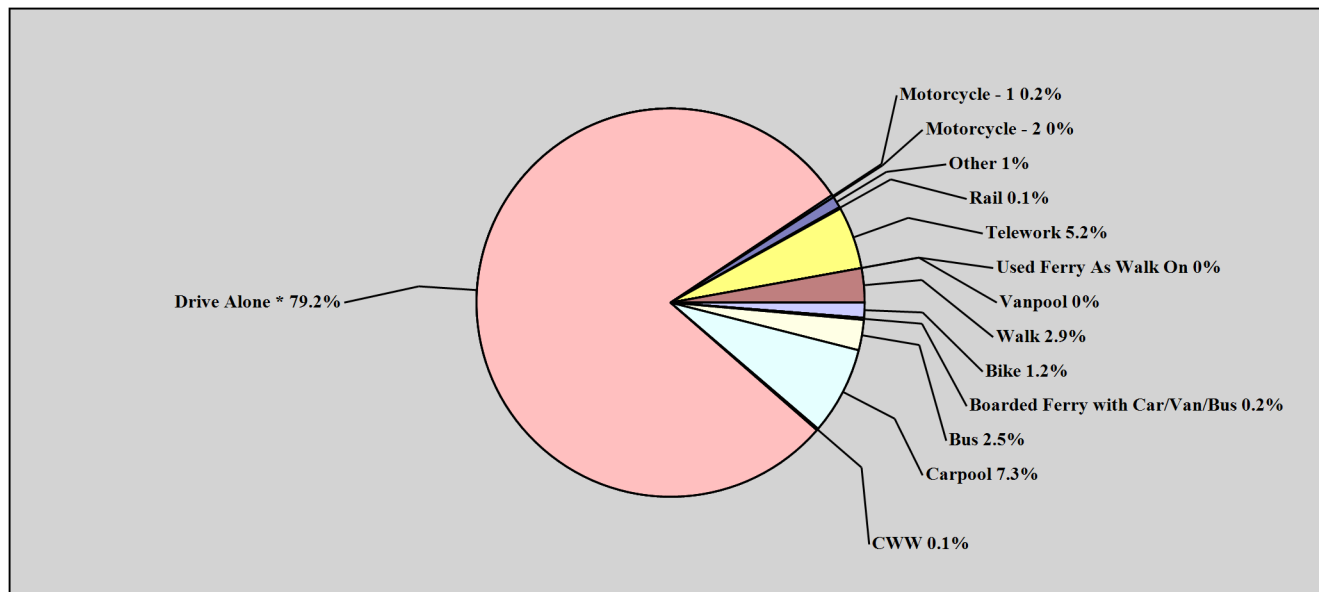
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 16.5 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



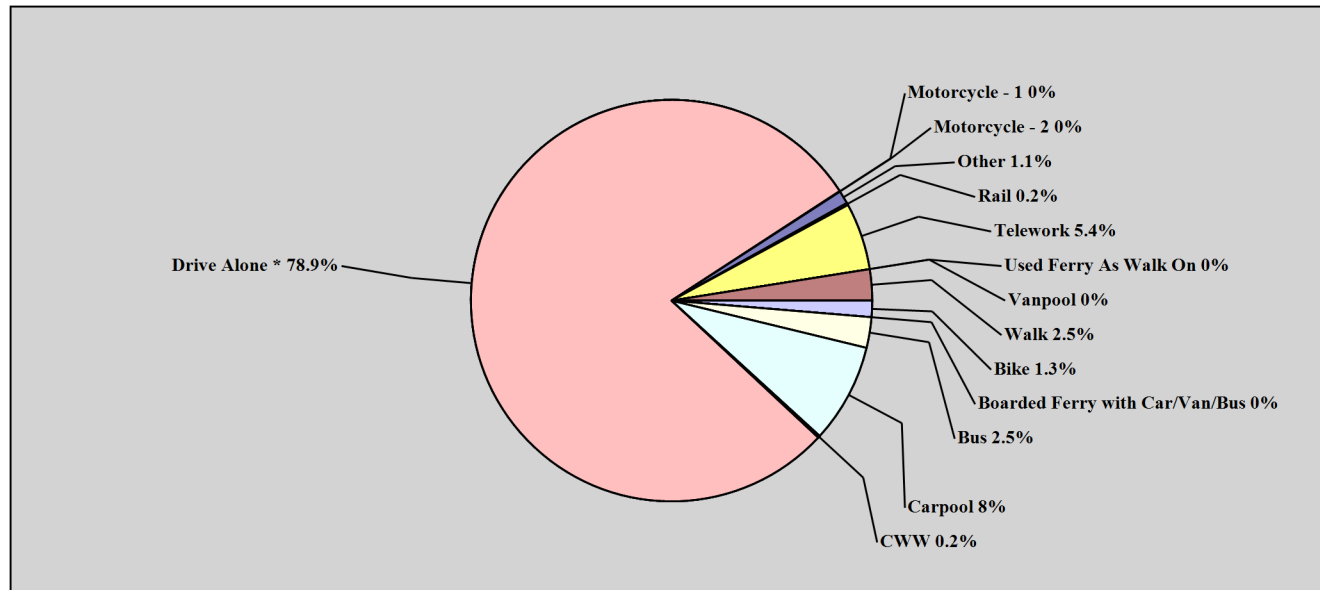
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	2,168	79.2%	76.3%	494	88.8%	85.8%
Carpool	200	7.3%	8.8%	74	13.3%	13.7%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Motorcycle - 1	6	0.2%	0.2%	2	0.4%	0.3%
Motorcycle - 2	0	0.0%	0.1%	0	0.0%	0.3%
Bus	69	2.5%	3.5%	23	4.1%	5.4%
Rail	4	0.1%	0.0%	3	0.5%	0.0%
Bike	34	1.2%	1.1%	13	2.3%	2.0%
Walk	78	2.9%	4.2%	18	3.2%	4.5%
Telework	142	5.2%	4.9%	80	14.4%	12.7%
CWW	4	0.1%	0.2%	4	0.7%	1.2%
Boarded Ferry with Car/Van/Bus	5	0.2%	0.2%	1	0.2%	0.3%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	26	1.0%	0.5%	8	1.4%	1.2%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	1,855	78.9%	75.8%	416	88.9%	85.7%
Carpool	188	8.0%	9.7%	66	14.1%	15.1%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Motorcycle - 1	1	0.0%	0.2%	1	0.2%	0.4%
Motorcycle - 2	0	0.0%	0.1%	0	0.0%	0.4%
Bus	58	2.5%	3.6%	19	4.1%	5.5%
Rail	4	0.2%	0.0%	3	0.6%	0.0%
Bike	31	1.3%	1.3%	11	2.4%	2.4%
Walk	59	2.5%	3.3%	13	2.8%	3.9%
Telework	127	5.4%	5.2%	73	15.6%	13.0%
CWW	4	0.2%	0.2%	4	0.9%	0.8%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.1%	0	0.0%	0.2%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	25	1.1%	0.4%	7	1.5%	1.0%

* Drive alone mode includes fill-in, where applicable.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	371	67%	556	100%
1 Days	51	9%	185	33%
2 Days	33	6%	134	24%
3 Days	26	5%	101	18%
4 Days	22	4%	75	13%
5 Days	44	8%	53	10%
6 or More Days	9	2%	9	2%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	260	60.6%	63	14.7%	10	2.3%	30	7%	0	0%	0	0%	14	3.3%	4	0.9%	73	17%
4 days a week (4/10s)	6	12%	28	56%	1	2%	5	10%	0	0%	0	0%	3	6%	0	0%	15	30%
3 days a week	1	3.6%	16	57.1%	1	3.6%	0	0%	0	0%	0	0%	0	0%	0	0%	4	14.3%
9 days in 2 weeks (9/80)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	2	4.3%	16	34.8%	0	0%	1	2.2%	0	0%	0	0%	3	6.5%	1	2.2%	9	19.6%

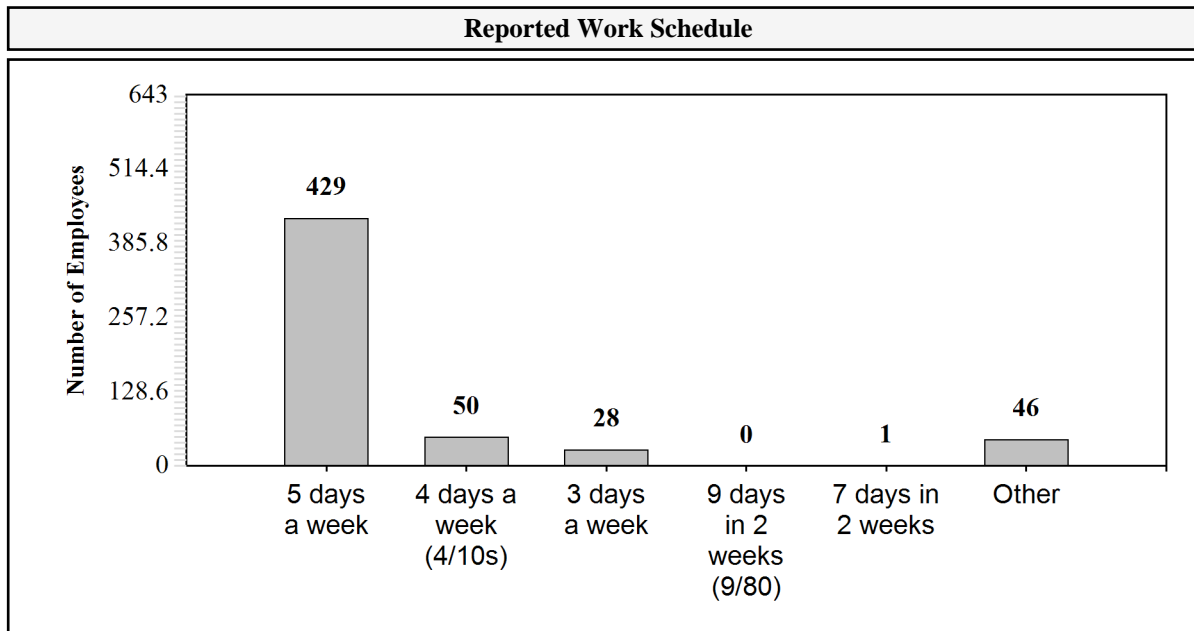
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	6
2	Motorcycle	0
2	Carpool	167
3	Carpool	33
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

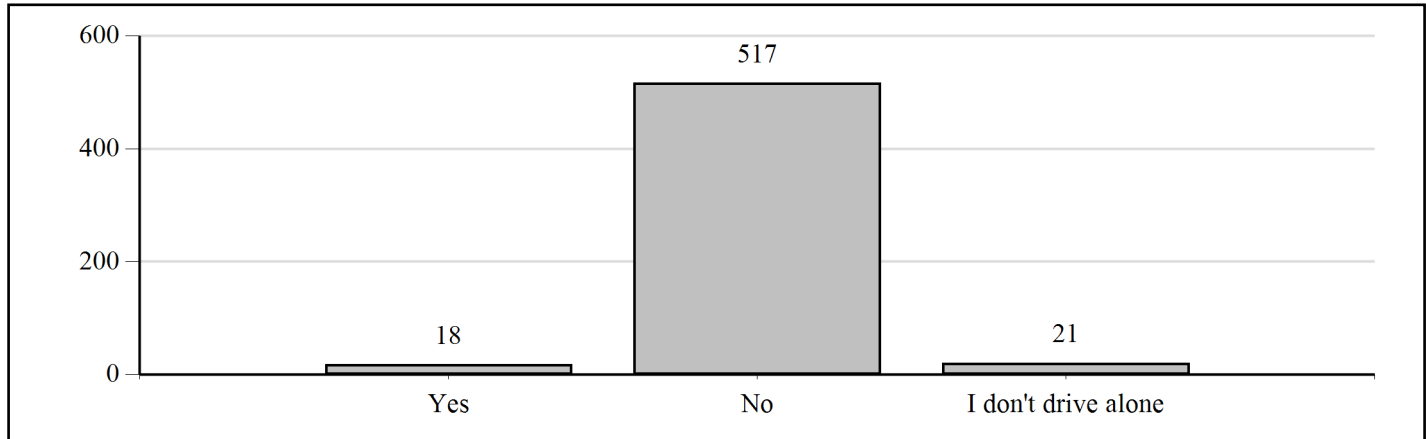
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	429	77.4%
4 days a week (4/10s)	50	9%
3 days a week	28	5.1%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	1	0.2%
Other	46	8.3%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.2%
I don't telework	291	52.3%
Occasionally, on an as-needed basis	115	20.7%
1-2 days/month	36	6.5%
1 day/week	60	10.8%
2 days/week	28	5.0%
3 days/week	25	4.5%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Environmental and community benefits	145	15.2%
To save money	141	14.7%
I have the option of teleworking	134	14.0%
Personal health or well-being	120	12.6%
Other	95	9.9%
Free or subsidized bus, train, vanpool pass or fare benefit	82	8.6%
Financial incentives for carpooling, bicycling or walking.	71	7.4%
Driving myself is not an option	60	6.3%
To save time using the HOV lane	34	3.6%
Emergency ride home is provided	33	3.5%
Preferred/reserved carpool/vanpool parking is provided	22	2.3%
Cost of parking or lack of parking	16	1.7%
I receive a financial incentive for giving up my parking space	3	0.3%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	350	26.2%
I like the convenience of having my car	325	24.3%
Family care or similar obligations	203	15.2%
Other	150	11.2%
Bicycling or walking isn't safe	107	8.0%
My commute distance is too short	89	6.7%
My job requires me to use my car for work	81	6.1%
I need more information on alternative modes	22	1.6%
There isn't any secure or covered bicycle parking	8	0.6%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	4	0	0	9	0	14	14	0	2	3
2	1	0	2	6	0	7	5	0	1	0
3	0	0	0	2	0	1	0	0	0	0
4	1	0	0	4	0	6	2	0	1	1
5	1	0	0	2	0	3	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	1	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	2	2	0	0	0
11 or more	0	0	0	0	0	1	1	0	0	0
# Of Employees using Transit	8	0	2	23	0	35	24	0	4	7
Total One-Way Transit Trips Per Week	22	0	4	53	0	113	63	0	8	26

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	4	0	0	7	0	13	14	0	1	3
2	1	0	2	5	0	7	5	0	1	0
3	0	0	0	2	0	0	0	0	0	0
4	1	0	0	3	0	5	2	0	1	0
5	1	0	0	2	0	3	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	1	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	2	2	0	0	0
11 or more	0	0	0	0	0	1	0	0	0	0
# Of Employees using Transit	8	0	2	19	0	32	23	0	3	6
Total One-Way Transit Trips Per Week	22	0	4	45	0	105	52	0	7	22

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
13348	1	0.18%	0	0	0	0	0	0	0	0	4	0	0	0	0
88466	1	0.18%	1	0	0	0	0	0	0	0	0	0	0	0	0
92644	1	0.18%	7	0	0	0	0	0	0	0	0	0	0	0	0
98001	1	0.18%	3	0	0	0	0	0	0	0	0	0	0	0	0
98003	3	0.54%	14	0	0	0	0	0	0	0	1	0	0	0	0
98004	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98008	1	0.18%	0	0	0	0	0	0	0	0	5	0	0	0	0
98012	1	0.18%	3	1	0	0	0	0	0	0	1	0	0	0	0
98023	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98028	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98031	1	0.18%	3	0	0	0	0	0	0	0	2	0	0	0	0
98033	1	0.18%	4	0	0	0	0	0	0	0	1	0	0	0	0
98036	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98038	2	0.36%	11	0	0	0	0	0	0	0	0	0	0	0	0
98042	1	0.18%	1	0	0	0	0	0	0	0	0	0	0	0	4
98059	2	0.36%	10	0	0	0	0	0	0	0	0	0	0	0	0
98092	3	0.54%	13	0	0	0	0	0	0	0	0	0	0	0	0
98102	2	0.36%	3	4	0	0	0	0	0	0	3	0	0	0	0
98103	3	0.54%	0	5	0	0	0	0	0	0	0	0	0	0	10
98106	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98107	1	0.18%	3	0	0	0	0	0	0	0	0	0	0	0	0
98109	2	0.36%	6	0	0	0	3	0	0	0	0	0	0	0	0
98112	3	0.54%	7	6	0	0	0	2	0	0	3	0	0	0	0
98115	3	0.54%	8	1	0	0	0	0	0	0	0	0	0	0	0
98116	3	0.54%	7	0	0	0	0	0	0	0	2	0	0	0	0
98118	1	0.18%	2	2	0	0	0	0	0	0	3	0	0	0	0



98119	2	0.36%	5	0	0	0	1	0	0	2	0	0	0	0	0
98122	2	0.36%	3	1	0	0	5	0	0	0	1	0	0	0	0
98125	2	0.36%	7	1	0	0	0	0	0	0	0	0	0	0	0
98126	1	0.18%	3	1	0	0	0	0	0	0	2	0	0	0	0
98133	1	0.18%	3	0	0	0	0	0	0	0	0	0	0	0	0
98136	4	0.72%	9	1	0	0	6	0	0	0	7	0	0	0	0
98144	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98146	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98155	1	0.18%	4	0	0	0	0	0	0	0	0	0	0	0	0
98166	1	0.18%	3	0	0	0	0	0	0	0	0	0	0	0	0
98178	1	0.18%	4	0	0	0	0	0	0	0	1	0	0	0	0
98198	2	0.36%	10	0	0	0	0	0	0	0	0	0	0	0	0
98199	1	0.18%	4	0	0	0	2	0	0	0	1	0	0	0	0
98321	1	0.18%	4	0	0	0	0	0	0	0	0	0	0	0	0
98327	2	0.36%	5	4	0	0	0	0	0	0	0	0	0	0	0
98328	6	1.08%	30	0	0	0	0	0	0	0	0	1	0	0	0
98329	2	0.36%	7	0	0	0	0	0	0	0	0	1	0	0	0
98332	12	2.16%	46	2	0	0	0	0	0	0	14	0	0	0	0
98333	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98335	8	1.44%	32	3	0	0	1	0	0	0	2	0	0	0	0
98338	16	2.88%	68	0	0	0	0	0	0	0	3	0	0	0	4
98354	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98359	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98360	2	0.36%	10	0	0	0	0	0	0	0	0	0	0	0	0
98367	2	0.36%	10	0	0	0	0	0	0	0	0	0	0	0	0
98371	14	2.52%	70	2	0	0	0	0	0	0	0	0	0	0	0
98372	4	0.72%	19	0	0	0	0	0	0	0	0	0	0	0	0
98373	16	2.88%	86	0	0	0	0	0	0	0	0	0	0	0	0
98374	14	2.52%	56	10	0	0	0	0	0	0	3	0	0	0	0
98375	21	3.78%	74	24	0	0	0	0	0	0	2	0	0	0	1
98383	1	0.18%	1	0	0	0	0	0	0	0	0	0	0	0	0
98387	19	3.42%	91	6	0	0	1	0	0	0	1	1	0	0	0
98388	3	0.54%	8	5	0	0	7	0	0	0	0	0	0	0	0
98390	4	0.72%	19	0	0	0	0	0	0	0	1	0	0	0	0
98391	12	2.16%	47	10	0	0	0	0	0	0	0	0	0	0	0
98401	1	0.18%	4	1	0	0	0	0	0	0	0	0	0	0	0
98402	8	1.44%	26	10	0	0	5	0	0	0	0	0	0	0	0



98403	18	3.24%	65	6	0	0	2	0	3	3	9	0	0	0	0
98404	7	1.26%	26	0	0	0	0	0	5	0	2	0	0	0	0
98405	25	4.50%	90	18	0	0	5	0	1	0	6	0	0	0	1
98406	33	5.94%	120	13	0	0	6	1	4	0	17	0	0	0	0
98407	39	7.01%	168	1	0	0	5	1	0	0	21	0	5	0	0
98408	8	1.44%	33	1	0	0	4	0	0	0	0	0	0	0	0
98409	7	1.26%	32	2	0	0	0	0	0	0	1	0	0	0	0
98418	5	0.90%	15	0	0	0	10	0	0	0	2	0	0	0	0
98422	4	0.72%	21	0	0	0	0	0	0	0	0	0	0	0	0
98439	1	0.18%	1	0	0	0	3	0	0	0	0	0	0	0	0
98443	4	0.72%	13	0	0	0	0	0	5	0	0	0	0	0	0
98444	42	7.55%	104	19	0	5	0	0	14	54	8	0	0	0	0
98445	17	3.06%	73	11	0	0	0	0	0	0	0	0	0	0	0
98446	3	0.54%	16	0	0	0	0	0	0	0	0	0	0	0	0
98447	4	0.72%	7	0	0	0	0	0	0	14	0	0	0	0	5
98465	4	0.72%	19	0	0	0	0	0	0	0	0	0	0	0	0
98466	21	3.78%	90	3	0	0	0	0	1	0	9	0	0	0	0
98467	6	1.08%	28	0	0	0	0	0	1	0	0	0	0	0	0
98498	21	3.78%	111	1	0	0	0	0	0	0	0	0	0	0	0
98499	18	3.24%	71	10	0	0	3	0	0	0	3	1	0	0	0
98501	7	1.26%	18	12	0	0	0	0	0	0	1	0	0	0	0
98502	5	0.90%	18	0	0	0	0	0	0	0	0	0	0	0	1
98503	2	0.36%	10	0	0	0	0	0	0	0	0	0	0	0	0
98506	4	0.72%	14	3	0	0	0	0	0	0	0	0	0	0	0
98512	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98513	3	0.54%	14	0	0	0	0	0	0	0	0	0	0	0	0
98516	4	0.72%	16	0	0	0	0	0	0	0	0	0	0	0	0
98520	1	0.18%	0	0	0	0	0	0	0	5	0	0	0	0	0
98524	1	0.18%	5	0	0	0	0	0	0	0	0	0	0	0	0
98532	1	0.18%	6	0	0	0	0	0	0	0	0	0	0	0	0
98576	1	0.18%	4	0	0	0	0	0	0	0	0	0	0	0	0
98580	3	0.54%	17	0	0	0	0	0	0	0	0	0	0	0	0
98597	3	0.54%	14	0	0	1	0	0	0	0	0	0	0	0	0